

## INDEX TO VOLUME III

New taxonomic names and the page numbers of the principal references are printed in **Clarendon** type.

An asterisk (\*) indicates a figure.

- Acanthocythere** 1, 7, 12  
*sphaerulata* 12, 13; Pl. 1, figs. 1-4  
*spiniseulata* 13; Pl. 1, figs. 5-9  
*Acrilla* 25, 34  
*affinis* 34  
*nigeriensis* 25, 34; Pl. 5, fig. 6  
*Admete* 49  
*Admetula* 27, 49  
Africa 127-175, 179-189  
**Africarea** 27, 53  
*nigeriensis* 27, 53; Pl. 8, fig. 3a, b  
**Africofragum** 28, 61  
**Africolithes** 26, 45  
**Africostoma** 27, 49  
**Africosveltia** 27, 48  
**Africoterebellum** 26, 37, 38  
*Alethopteris goepperti* 297, 315  
*martinsi* 313  
Algae 307, 341  
*Algites* 309, 310  
*sternbergianus* 298, 299, 304, 310; Pl. 36, figs. 1, 2, 5  
*virgatus* 299, 303, 305, 309\*, 310  
*Ambonychia obliqua* 222  
*orbicularis* 222  
sp. 218, 221  
*Amekichilus* 26, 38  
*suturocostatum* 26, 39  
*Amekicythara* 27, 52  
*douvillei* 27, 53; Pl. 8, fig. 2a-c  
*Amekiglans* 28, 58  
American Museum 286  
*Amphicythere* 5, 8, 14  
*semisulcata* 14  
*Amphiperas nigeriensis* 39  
Amphiperatidae 26  
*Amphorispermum* 169  
Anacardiaceae 75  
*Anachis* 41  
*Anadara nigeriensis* 54  
*Anatina* 67  
*Anemia* 75  
*Angiopteridium mclellandi* 154  
*spatulatum* 154  
*Annularia* 298, 303, 312, 313\*  
*Araucaria* 330  
*Araucarites* 330  
*ludwigi* 330  
*Archaeopodocarpus* 304, 330  
*germanicus* 324  
*Archaeothrix* 341, 346  
*Archidiskodon* 277-279, 289, 290  
*exoptatus* 278  
*meridionalis* 279  
*planifrons* 267, 270-280, 289; Pl. 32; Pl. 34, figs. 3, 4; Pl. 35, figs. 1, 2  
*nyanzae* 278  
*proplanifrons* 277, 278  
*subplanifrons* 277-279  
*Archinacella oblongata* 223  
*Architectonica* 25, 32  
*affinis* 35  
*canaliculata* 33  
*(Nipteraxis) bendeica* 25, 32; Pl. 5, fig. 3a-c  
*(Solariaxis) amekiensis* 25, 33; Pl. 5, fig. 5a-c  
*spectabilis* 34  
*(Stellaxis) bicingulata* 25, 33; Pl. 5, fig. 4  
Architectonicidae 25, 32  
*Arcopsis* 27, 53, 54  
*africana* 27, 54; Pl. 8, fig. 4  
Artocarpoideae 95  
*Asaphid* 222  
*Aspidites danaeoides* 151  
*Asterocalamites* 312  
*mansfeldicus* 312  
*Asterophyllites mansfeldicus* 312  
*Asthenotoma* 52  
*(Endiotoma) casteri* 51, 52  
*Athleta* 44  
*lugardi* 44  
*Atractopyge* 211, 212  
Australia 127, 145, 163, 165, 172, 179, 187, 188, 235  
*Baiera digitata* 319  
*munsteriana* 319  
Bairdiaceae 6, 11  
Bairdiidae 11  
*Bairdoppilata* 6  
*Bancroftina* 207, 221  
*robusta* 207, 221  
*typha* 199, 206, 220, 221; Pl. 24, figs. 17, 18  
*Bardia* 319  
*Basilius marstoni* 219  
BATE, D.M.A. 268, 289  
*Belosepia* 29

- Bendeglans** 28, 57  
**Bendeia** 26, 43  
     *africana* 26, 43; Pl. 7, fig. 2a, b  
**Bendeluta** 26, 46  
     *conicoturrita* 26, 47  
**Bendemacoma** 28, 66  
 Bethlehem Fauna 267, 289  
 Betulaceae 76, 92  
*Beyrichia* 211, 224  
*Bjuvea* 151, 172  
*Bonellitia* 27, 49, 50  
     *evulsa* 49  
     (*Admetula*) **amekiensis** 27, 49; Pl. 7, fig. 5a-c  
     *evulsa* 49  
     (*Africostoma*) *decorata* 27, 50; Pl. 7, fig. 6a-c  
 Boraginaceae 103  
*Bos* 267  
 Bovey Tracey Flora 71-123  
 Bovidae 285  
 Brachyopid skull 259, 260\*  
*Bradleya* 6  
*Brasenia* 74, 96  
     *ovula* 77, 79, 96; Pl. 13, fig. 75  
*Breviarca* 55  
*Broeggeria* 203  
     *soudleyensis* 203  
*Broeggerolithus* 202-204, 207, 208, 210, 228  
     *broeggeri* 199, 203, 204, 216, 220; Pl. 26, fig. 7  
     *constrictus* 220  
     *globiceps* 199, 206, 221; Pl. 26, fig. 9  
     *longiceps* 199, 207, 222; Pl. 26, fig. 10  
     *soudleyensis* 199, 204, 207, 216, 220, 222;  
         Pl. 26, fig. 8  
     *transiens* 199, 208, 209, 223, 226; Pl. 26,  
         fig. 11  
     sp. 220, 221  
*Brongniartella* 198, 203, 206, 228  
     *bisulcata* 207, 209, 210, 216, 218, 221-223  
     sp. 219, 220  
 Buccinidae 26, 43  
*Buccinorbis* 26, 29, 47  
     *kitsoni* 47  
*Bucklandia* 100  
*Bufina* 10, 11; Pl. 2, figs. 3, 4  
*Bulbifusus* 45  
     *nigeriensis* 44, 45  
*Bulbil* 121,\* 122; Pl. 17, fig. 204  
*Bythocythere* 7  
  
*Caestocorbula* 68  
 Calameae (Palmae) 76, 89  
*Calamites* 296, 298, 306, 311, 312  
     *arenaceus* 312  
     *kutorgae* 312  
     *wakei* 296, 312  
*Calamus* 73-75, 78, 88, 89  
     *daemonorops* 76, 88, 89; Pl. 12, figs. 24-44  
*Calathella* 295, 307, 308, 310  
     *dictyonemoides* 301, 304, 308\*; Pl. 36, fig. 4  
  
*Calathella*—contd.  
     *kräuseli* 305, 308  
*Calla palustris* 75  
*Callipteris* 313  
     *martinsi* 300-306, 313\*, 314\*, 315; Pl. 37,  
         figs. 2, 5  
*Callista* 64  
     *elongatotrigona* 63  
     *kitsoni* 64  
*Calvarinus* 103  
     *reticulatus* 102  
*Calyptaulax* 211, 212, 224  
*Calyptraea* 25, 35  
     *crepidularis* 35  
     *newtoni* 25, 35; Pl. 5, fig. 7a, b  
 Calyptraeidae 25, 35  
*Camptocythere* 5\*, 7  
*Cancellaria* 48  
     *multiplicis* 48, 49  
 Cancellariidae 27, 48  
 Canidae 268  
*Canis* (*Nyctereutes*) *sinensis* 269  
*Capitosaurus* 236, 254, 257  
 Capparidaceae 77, 98, 99  
**Capparidispermum** 98, 99  
     *boveyanum* 77, 98; Pl. 14, figs. 92-96  
 Caprifoliaceae 75  
*Capsicum* 119  
 Caradoc Series 193-230 (S. Shropshire)  
 Cardiidae 28, 61  
*Cardiocardita* 60  
*Cardiocarpon triangulare* 297, 302, 330  
*Cardiocrarpus* 187  
*Cardita aegyptiaca* 59  
     *beaumonti* 60  
     *costaeirregularis* 57, 58  
     *costaenodulosus* 58, 59  
     *fayumensis* 59  
     *planicosta* 57  
     *tripartitocostata* 60  
     (*Cyclocardia*) *granulata* 58  
 Carditidae 27, 57  
*Cardium obliquum* 61, 62  
**Caricoidea** 74, 86  
     *nitens* 76, 87\*; Pl. 11, figs. 20-23  
     *obscura* 79  
 Caricoideae 86, 88  
*Carinopsis gracilis* 219, 220  
*Carpinus* 74, 78, 90-93  
     *boveyanus* 76, 79, 92; Pl. 13, figs. 52-67  
*Carpolithus boveyanus* 90, 92, 93  
     *exaratus* 102  
     *frumentarius* 324  
     *nitens* 87, 88  
     *rotherianus* 305  
     *websteri* 86  
     spp. 118-121; Pl. 17, figs. 192-203  
*Caulerpa selaginoides* 296, 298, 299, 324  
*Caulerpites bipinnatus* 315  
     *selaginoides* 297

- Caytonia* 169  
*Celtidoideae* 94  
*Ceratotheca subuncta* 224  
*Cervidae* 267  
*Chamaerops teutonica* 89  
 CHANDLER, M. E. J. 71-123  
*Chasmops* 207, 209-213, 222-224, 229  
*Chionella* 28, 63  
     (*Costacallista*) *elongatotrígona* 28, 63  
     (*Microcallista*) *kitsoni* 28, 64; Pl. 10, figs. 2a, b, 3  
*Chiralithes* 45  
*Chondrites* 309  
     *virgatus* 296, 309-311  
*Chondrus binneyi* 296, 300, 332; Pl. 40, fig. 13  
*Chonetoida* 211, 213, 219, 223, 224  
*Cinnamomum* 97  
     *lanceolatum* 97  
     *rossmassleri* 97  
     *scheuchzeri* 97  
*Cladium mariscus* 88  
*Clathrospira trochiformis* 223  
     sp. 221  
*Clavagellaceae* 68  
*Clavagellidae* 68  
*Clavilithes* 26, 45  
     (*Africolithes*) *africanus* 26, 45  
*Cliftonia andersoni* 218-220  
     *persculpta* 203, 204.  
     *spiriferoides* 220  
*Climacograptus antiquus* 220, 228  
     *brevis* 227, 228  
     *caudatus* 227  
     *minimus* 227  
     *peltifer* 226  
     *wilsoni* 226  
     sp. 225  
*Clinura* 27, 51  
*Coeloconica* 25, 32  
*Coenites* 211, 223  
*Colpomya* 210, 224  
*Cominella* 43, 52  
     *dowillei* 52, 53  
*Concavimargo* 25, 36  
*Conidae* 27, 50  
*Conites* 165, 329  
     sp. 301, 303, 329; Pl. 40, fig. 5  
*Conospirus parisiensis* 50  
*Conularia* sp. 219, 222  
*Conus* 27, 50  
     *parisiensis* 51  
     (*Leptoconus*) *amekiensis* 27, 50; Pl. 7, fig. 7a-c  
*Coralliophaga* 69  
     *eocenica* 68, 69  
*Corbula rugosa* 67, 68  
*Corbulidae* 28, 67  
*Cordaites* 188, 300, 321  
     *aequalis* 295, 299, 303, 306, 321; Pl. 38, fig. 3  
     *Cordaites*—contd.  
         *pangerti* 305  
*Cordiopsis* 64, 65  
     *incrassata* 63-65  
*Cornaceae* 114  
*Cornulina* 46  
     *minax* 46  
*Cornus* 75  
*Corylopsis* 100  
*Corylus* sp. 76, 92; Pl. 13, figs. 49-51  
*Cosmannella* 59  
     *costaenodulosis* 59  
*Costacallista* 28, 62-64  
*Costonia* 198  
     *ultima* 197-200, 218; Pl. 26, figs. 1, 2  
     sp. 200, 218  
*Cranioops* sp. 220, 222  
*Crassostrea* 27, 56  
     *lugardi* 56  
*Crepidula* 25, 36  
     (*Concavimargo*) *falconeri* 36  
*Crepispisula* 28, 65  
 CROFT, W. N. 339-353  
*Cryptolithus* 200, 203  
     *broeggeri* 203  
     *soudleyensis* 207  
*Cryptothyris* 211  
     *paracyclica* 199, 211, 212, 223; Pl. 25, fig. 7  
*Ctenis permiana* 296, 321  
     *renaulti* 323  
*Ctenodonta coarctata* 219  
     *varicosa* 218, 219, 222, 224  
     sp. 220-222, 224  
*Cupressites ullmanni* 297  
*Cupressus ullmanni* 323  
*Cupuladria* 29  
*Cyclocardia* 58  
     *borealis* 58  
     *costaeirregularis* 58  
*Cyclocarpon eiselianum* 305  
     *triangulare* 330  
*Cyclocarpus spongoides* 306  
*Cyclonema crebristria* 218, 220  
*Cyclopteris liebeana* 327  
*Cyclotosaurus* 236, 254, 256-258  
     *ebbrachensis* 256-258  
     *hemprichi* 256-258  
     *mordax* 256, 257  
     *papilio* 256  
     *posthumus* 256, 257  
     *randalli* 257  
     *robustus* 256, 257  
     *spitzbergensis* 257  
     *stantonensis* 254, 256, 257  
*Cylindracanthus* 29  
*Cymatiidae* 26, 40  
*Cyperaceae* 74, 76, 79, 86, 88  
*Cyphomandra* 119  
*Cypraea bowerbanki* 39  
*Cypridacea* 6, 11



- Cypridea* 7, 15, 17  
     *fasciculata* 16, 17  
     *sowerbyi* 15  
*Cyprideis* 8  
*Cyrtoceras* 224  
*Cyrtolites nodosus* 220–223  
     sp. 219  
***Cyrtulotibia* 25, 36**  
     *undigitata* 25, 37  
*Cyrtulus* 36  
*Cythara* 52  
*Cytharacea* 1, 6, 8–13, 16  
*Cythere* 7, 12, 13, 18  
     *retirugata* 13, 15  
         var. *decorata* 17  
         *rugulata* 18  
         *textilis* 15  
     *sphaerulata* 12  
     *transiens* 19  
*Cythereis* 6, 9  
*Cytherellidae* 10  
*Cytheridea* 8  
*Cytherideinae* 8
- Daemonorops* 89  
*Dalmanella* 208  
     *horderleyensis* 199, 206, 220 ; Pl. 24, figs. 12, 13  
     *indica* 199, 206, 220 ; Pl. 24, fig. 14  
     *lepta* 199, 206, 220 ; Pl. 24, figs. 15, 16  
     *multiplicata* 222  
     *unguis* 199, 209, 222, 226 ; Pl. 25, fig. 4  
     *wattsi* 199, 209, 222 ; Pl. 25, figs. 2, 3  
     sp. 218, 219  
*Daphnogene ungeri* 97  
 DEAN, W. T. 191–231  
*Dicoroproetus* 200, 220  
     *fearnsidesi* 219  
         (*Proetidella*) 198  
     *fearnsidesi* 201  
*Dendrograptus* sp. 227  
*Diacalymene praecox* 219  
*Dicellograptus complanatus* 229, 230  
*Dicerorhinus* 290  
     *etruscus* 281–283, 289 ; Pl. 33, fig. 5  
*Dichidocarya menzeli* 107  
*Dicoryphe* 100  
*Dicranograptus clingani* 214, 226–230  
***Dictyocythere* 1, 5, 8, 13–15**  
     *decorata* 14  
     *mediostriata* 14, 15  
     *retirugata* 14–17  
         var. *textilis* 16  
     *rugulata* 14  
     *transiens* 14, 15  
     (*Dictyocythere*) *decorata* 17 ; Pl. 3, fig. 1  
         *mediostriata* 16 ; Pl. 3, figs. 2–6  
         *retirugata* 15 ; Pl. 3, figs. 7–10 ; Pl. 4, figs. 3, 4, 11, 16, 17  
     (*Rhysocythere*) *regulata* 15, 18, 19 ; Pl. 4,
- Dictyocythere*—*contd.*  
     figs. 1, 2, 5–10, 12–15  
     *transiens* 19 ; Pl. 3, figs. 11–13  
*Dictyonema* 228, 309  
     *fluitans* 227, 228  
*Dictyopteris simplex* 145, 148  
*Dientomochilus* 38  
*Dinorthis* 204  
     *flabellulum* 197, 199, 218, 220 ; Pl. 24, fig. 2  
     *multiplicata* 203, 204  
     *robusta* 198  
     sp. 203, 218–220  
*Diplograptus multidens* 214, 226–229  
     *multidens* var. *compactus* 227  
     sp. 224, 230  
*Distylium* 100  
*Divaricella oppenheimi* 61  
***Divergidens* 28, 60**  
*Dolerorthis* 211  
     *duftonensis* 199, 207, 221 ; Pl. 25, fig. 1.  
     sp. 218–220, 222, 223  
*Doratophyllum* 151, 172
- EAMES, F. E. 23–70  
*Ecculiomphalus* sp. 223  
*Ectinochilus* 38  
*Elephantidae* 270  
*Elephas* 267  
     *africanus* 278  
*Encrinurus* 209  
     sp. 223  
*Endiatoma* 52  
*Engelhardtia* 75  
*Eobronteus* sp. 224  
*Eocypraea* (*Sphaerocypraea*) *bowerbanki* var.  
     *sudanensis* 39  
*Eodivaricella* 28, 61  
*Eohomalonotus* 198, 206  
     sp. 218, 221  
*Eomastixia* 79, 121  
     *bilocularis* 121  
*Eomiltha* 28, 61  
*Eopleurotoma* 27, 51  
     *nigeriensis* 27, 51  
*Eovolvea* 26, 39  
     *nigeriensis* 26, 39 ; Pl. 6, figs. 2, 3  
*Epimachairodus* 270  
*Equidae* 280  
*Equus* 267, 280, 281, 290  
     *stenonis* 280  
*Eretmonia* 187  
     *natalensis* 165, 187  
*Ericaceae* 75  
*Eryops* 239, 245, 248, 251, 252  
*Euglyphella* 9–11 ; Pl. 2, figs. 5–7  
*Exechostoma* 25, 29, 30  
     *cossmanni* 25, 30
- Fagaceae* 76, 93

- Fagus* 93, 94  
*minima* 76, **93**; Pl. 13, figs. 68–70  
*Fascioplex* 46  
*Favosites* 211  
*fibrilla* 218, 220–223  
*Felidae* 270  
*Felis* sp. 267  
*Ficus* 52  
*Filograna* 311  
*permiana* 296, 297, 303, 306, 310, 311  
*Fischerella* 347  
*Flexicalymene acantha* 218, 219  
*caractaci* 222–224  
*laticeps* 224  
*onniensis* 224  
*salteri* 224  
*trigonoceps* 223  
 sp. 218, 219, 223  
 FLORIN, R. 301, 327  
*Fortunearia* 100  
*Fossularca* 54  
*africana* 54  
*Fothergilla* 100  
*Fragum* 28, 61  
*(Africofragum) newtoni* 28, **61**; Pl. 9, fig. 8a–c  
*Fucoides digitatus* 319  
*selaginoides* 324  
*Fusinidae* 26, 45  
  
*Gangamopteris* 179, 184, 187  
*Gardenia* 90  
*wetzleri* 90  
*Gastrochaena* 69  
*Gazellospira* 288–290  
*torticornis* **286**, 288, 289; Pl. 33, figs. 2, 3  
 GEORGE, E. A. 339–353  
*Gibbolucina* 28, 61  
*(Eomiltha) subrhomboidalis* 28, **61**  
*Giraffa* 285, 290  
*camelopardalis* 267, **284**, 285, 289; Pl. 34, figs. 5, 6  
*Giraffidae* 284  
*Glans* 27, 57  
*nigeriensis* 27, **57**; Pl. 8, fig. 9a, b  
*(Amebiglans) costaeinodulosis* 28, **59**; Pl. 9, figs. 3, 4  
*(Bendeglans) costaeirregularis* 28, **58**; Pl. 9, figs. 1, 2  
*(Divergidens) triparticostata* 28, **60**; Pl. 9, figs. 5a, b, 6, 7  
*Glossopteris* **127**, 128, 130, 132, 134–136, 141, 145, 147, 149–151, **159–161** (scale leaves, sporangia), 165, 169, 172, 173, 179–181, 184–188  
*ampla* 141, 173  
*angustifolia* 127, 134, 135, 179  
*arberi* 186  
*brancai* 145, 148  
*Glossopteris*—*contd.*  
*browniana* 134, 141, 145, 147, 160, 172, 179, 187  
 var. *australasica* 134, 135  
*indica* 134, 141  
*colpodes* 127, 136, **141**, 142\*, 143, 144\*, 145, 146\*, 147, 149, 159, 163, 172; Pl. 19, fig. 2  
*communis* 134, 186  
*conspicua* 145, 148  
*cordata* 187  
*damudica* 141  
 var. *stenoneura* 141  
*danaeoides* 151  
*elongata* 145, 148  
*fibrosa* 127, 129\*, **130**, 131\*, 132, 133\*, 134, 136, 140, 141, 145, 149, 159, 163, 172; Pl. 18, figs. 1–5, Pl. 19, fig. 1  
*hispidula* 127, 129\*, **134**, 136, 137\*, 138\*, 140\*, 141, 145, 149, 172; Pl. 18, figs. 6, 7, Pl. 19, fig. 3, Pl. 20, figs. 1, 2, 7  
*indica* 127, 128, 134, 136, 141, 186  
*longicaulis* 186  
*musaeifolia* 141  
*nilsoniana* 179  
*phillipsi* 179  
*reticulum* 145, 148  
*retifera* 145, 147, 148  
*tatei* 145  
*verticillata* 186  
 sp. A **149**, 150\*  
*Glycymeridae* 27, 53  
*Glycymeris* 53  
*nigeriensis* 53  
*Glyptoaxis* 60  
*Glyptocrinus* 204, 215, 216  
*Glyptorthis* 218  
*Graphiadactylidae* 11  
*Graphiadactylus* 10  
*Gravicalymene* 211–213, 224  
*Grewia* 107  
*Guilielma* 331  
*Guilielmites* 331  
*permianus* 297, 303, **331**; Pl. 40, fig. 12  
  
*Hamamelidaceae* 77–79, **99**, **100**; Pl. 14, figs. 97–99  
*Hamamelis* 100  
*Hapalosiphon* 344  
*Haplocytheridea* 4  
*Harknessella* 197–200, 210, 218, 221  
*jonesi* 197, 218  
*subplicata* 197, 198, 200, 214, 215, 218  
*subquadrata* 197, 198, 200, 214, 215, 218  
*vespertilio* 197, 199, 218, 219; Pl. 24, fig. 1.  
*Healdiidae* 11  
*Hedstroemia* 210  
*fragilis* 210, 222  
*parva* 222  
*robusta* 210  
*Hemicythere* 6

- Heterorthina praeculta* 208, 222  
*Heterorthis alternata* 205, 207, 211, 216, 221-223  
     *patera* 197, 218, 219  
     *retroversistria* 203, 220  
*Hexaplex* 26, 41  
     (*Paziella*) *bendeica* 26, 41  
     *calcitrapa* 42  
*Hilda* 40, 41  
     *turriculata* 40, 41  
*Hiltonia* 295, 301, 328  
     *rivuli* 299-304, 306, 307, 324, 328  
*Hipparion* 267, 281, 290  
     *antelopinum* 280  
     *crusafonti* 281  
     *gracile* 280  
     *theobaldi* 280  
     sp. 280, 289; Pl. 35, figs. 3-6  
*Hippopotamus* 267, 289  
*Holopea striatella* 211, 223  
*Homotherium* 270  
     *crenatidens* 270  
     *ultimum* 270  
     sp. 270, 289; Pl. 34, figs. 1, 2  
HOOIJER, D. A. 265-292  
*Horderleyella* 203, 219  
     *corrugata* 203, 220  
     *plicata* 197-200, 218; Pl. 24, figs. 3, 4  
*Huttoniana* 303  
Hydrocharitaceae 76, 86  
*Hyolithes* 218-220, 222, 224  
  
*Ilex* 75  
*Illaenus* 211, 212, 224  
  
*Janiopsis* 26, 44  
     *nigeriensis* 26, 44  
  
*Kidstoniella* 342, 348, 352  
     *frittschi* 341, 348; Pl. 41, figs. 2, 9, Pl. 44  
*Kitsonia* 28, 68  
     *eocenica* 28, 68; Pl. 9, figs. 13, 14  
*Kitsoniidae* 28, 68  
*Kjaerina* 205, 206  
     *bipartita* 199, 205, 207, 221; Pl. 24, fig. 19  
     *geniculata* 205, 207, 221  
     *hedstroemi* 205, 220  
     *horderleyensis* 221  
     *intermedia* 205, 221  
     *jonesi* 206, 221  
     *richteri* 221  
     *typha* 199, 207, 221; Pl. 24, fig. 20  
     sp. 221-223  
*Kjerulfina* 208, 210  
     *polycyma* 208-210, 222  
     *trigonalis* 209, 222  
  
Labiatae 75  
*Labiosa* 67  
     (*Raeta*) *schweinfurthi* 67  
  
*Labyrinthodon pachygnathus* 257  
Labyrinthodont 235  
*Laccinum* 26, 43  
     *lugardi* 26, 44  
*Lacinia* 44  
*Lanceolatus* 130, 165, 179, 181  
*Langiella* 342, 344, 346, 347, 349-352  
     *scourfieldi* 341, 343; Pl. 41, figs. 1, 3-8, 10,  
     Pl. 42, Pl. 43, figs. 17, 19-24  
Lauraceae 74, 77, 78, 97, 98; Pl. 14, figs. 81-91  
*Laurus primigenia* 97  
Leguminosae 77, 101; Pl. 15, figs. 110-112  
Leiden Museum 276, 284  
Lepidocaryinae 88, 89  
*Lepidocoleus suecicus* 219, 221, 223  
*Leptaena* 211, 218, 220, 221, 223  
*Leptobos* 267, 285, 286  
     *etruscus* 286  
     *falconeri* 286  
     *stenometopon* 286  
     *vallisarni* 286  
     sp. 285, 289; Pl. 33, fig. 4  
*Leptoconus* 27, 50  
*Leptocythere* 8  
*Leseurilla balclatchiensis* 218  
*Leucozonia* 26, 46  
     *pseudominax* 26, 46; Pl. 6, fig. 8  
*Levifusus* 45  
*Lichas* 198, 223  
*Lidgettonia* 179, 180, 186, 187  
     *africana* 181, 182\*, 183\*; Pl. 22, figs. 1-3, Pl.  
     23, figs. 4-7  
*Lingula* 219, 221-223  
     *attenuata* 223  
     *ovata* 218  
*Liomesus* 43  
     *africanus* 43  
*Liospira aequalis* 218, 221  
*Lithophaga* 68, 69  
*Lobatannularia* 312  
*Lonchodomas pennatus* 213, 224  
*Lophocythere* 7, 9, 10  
*Lophospira gyrogonia* 206, 221, 222  
*Loropetalum* 100  
*Loxocardium* 62  
*Loxocncha* 8  
Lucinidae 28, 60, 68, 69  
*Luhea* 107  
*Lycopersicum* 119  
*Lysimachia* 74, 115, 116  
     *boveyana* 77, 115; Pl. 17, figs. 179, 180  
     *japonica* 116  
Lysimachinae 115, 116  
Lythraceae 73, 77-79, 107, 108  
  
*Machairodus nihowanensis* 270  
*Macoma* 28, 66, 67  
     (*Bendemacoma*) *nigeriensis* 28, 66  
*Macrocallista* 65  
     *palmerae* 29, 65



- Macrocypris* 6  
*Macrodentina* 7, 14  
     *lineata* 14  
     *retirugata* 15, 16  
*Macrotaeniopteris* 151  
     *danaeoides* 151, 154  
     *feddeni* 154  
     *major* 151  
*Mactra semisulcata* 65, 66  
Mactridae 28, 65  
*Magnolia* 74, 78, 96, 97  
     *angusta* 97  
     *attenuata* 96, 97  
     *boveyana* 77, 96, 97; Pl. 13, figs. 76–80  
     *glauca* 97  
     *grandiflora* 97  
     *hoffmani* 97  
     *sinuata* 97  
Magnoliaceae 77, 78, 96  
*Marionites typha* 207, 221  
*Mastixia* 78, 80, 109, 114, 115, 121  
     *boveyana* 77, 114; Pl. 17, figs. 175–178  
*Mastixicarpum* 77  
Mastixioideae 77, 114  
*Mastodonsaurus* 245  
     *robustus* 254  
Mazzalina 45, 48  
*Megalobatrachus* 254  
*Meliosma* 74, 78, 102, 103  
     *reticulata* 77, 102; Pl. 15, figs. 113–118  
*Metaconularia sowerbyi* 223  
     *vesicularis* 223, 224  
*Metopolichas verrucosa* 218  
*Microcallista* 28, 64  
*Microdiptera* 73, 74, 78, 79, 107  
     *major* 107  
     *parva* 77, 79, 107, 108\*; Pl. 15, figs. 133–148  
*Mitrella* 51  
*Mitrelloturris* 27, 51  
     *casteri* 27, 52; Pl. 7, fig. 8a, b, Pl. 8, fig. 1  
*Mixoneura* 316  
     *huttoniana* 298, 303, 306  
     *neuropteroides* 316  
     sp. 303, 316; Pl. 37, fig. 4  
*Modiolopsis modiolaris* 224  
     *postlineatus* 219  
*Monoceratina* 9  
Moraceae 77, 95  
Moroidea 95  
     *boveyana* 77, 95; Pl. 13, fig. 74  
Moroideae 95  
*Murchisonia* 221  
Muricidae 26, 41  
Myidae 28, 67  
*Myrica* 74, 75, 90–93  
     *boveyana* 76, 90, 91; Pl. 12, figs. 45–48  
     *suppani* 92  
Myricaceae 76, 90  
Myrtaceae 77, 111, 112  
Myrtinae 111  
*Myrtoidea* 79  
*Myrtospermum* 77, 111–113  
     *boveyanum* 77, 112, 114; Pl. 16, figs. 160–168  
     *dubium* 77, 113, 114; Pl. 16, figs. 169–172  
     *variabile* 79, 112–114  
     sp. 113; Pl. 16, figs. 173, 174  
Myxophyceae 341, 342, 350  
Naticidae 26, 39  
*Natsiatum* 79  
*Nemagraptus gracilis* 198, 214, 215, 226–228  
*Neocalamites carreri* 180  
     *mansfeldicus* 312  
*Nerita* 35  
*Neuropteris* 297  
     *huttoniana* 296, 299, 316  
*Neverita* 26, 39, 40  
     *amekiensis* 26, 39; Pl. 6, fig. 5a, b  
     *calvimontana* 39, 40  
New South Wales 163, 173, 233–263  
*Nicolella* 212, 221  
     *actoniae* 211, 212, 222, 223  
*Nieszkowskia stubblefieldi* 201, 219  
Nigeria 23–70  
*Nilssonia* 151  
*Nilssoniopteris* 151  
*Nipteraxis* 25, 32  
*Nodularia* 344  
*Noeggerathia aequalis* 321  
     *cuneifolia* 297  
*Noeggerathiopsis* 128, 159  
     *hislopi* 306  
Noetiidae 27, 54  
Nostocales 352  
*Nothofagus* 94  
*Nucula* 27, 53  
     *costaeimbricatis* 27, 53  
Nuculidae 27, 53  
*Nummulites beaumonti* 29  
*Nummulospermum bowenense* 188  
*Nyctereutes* 269, 290  
     *megamastoides* 268, 269, 289; Pl. 34, fig. 7  
     *procyonoides* 269  
*Nymphaea doris* 96  
Nymphaeaceae 77, 96  
*Nyssa* 74, 109–111, 117  
     *boveyana* 77, 109, 111; Pl. 16, figs. 150–159  
     *disseminata* 110, 111  
     *europa* 109, 116  
     *laevigata* 109  
     *microsperma* 109  
     *obovata* 109, 117  
     *ornithobroma* 109  
     *rugosa* 111  
     *striolata* 109  
     *sylvatica* 110, 111  
     var. *biflora* 111; Pl. 16, fig. 159  
     *europaea* Pl. 16, fig. 158  
     *vertumnii* 109  
Nyssaceae 77, 109

- Odontopteris* 297  
   *goepperti* 305  
*Ogmoconcha* 11  
*Oligocythereis* 9  
*Olividae* 26, 47  
*Onnia* 212-214  
   *cobboldi* 199, 212, 213, 225; Pl. 26, fig. 14  
   *gracilis* 199, 213, 225; Pl. 26, fig. 15  
   *superba* 199, 212, 213, 225, 226, 229; Pl. 26, fig. 16  
*Onniella* 210, 211, 213, 224  
   *aspasia* 223  
   *broeggeri* 199, 213, 224; Pl. 25, figs. 10, 11  
   *depressa* 211, 223  
   *grandis* 210-212, 223  
   *inconstans* 199, 213, 224; Pl. 25, figs. 8, 9  
   *reuschi* 199, 208, 209, 222; Pl. 25, figs. 5, 6  
   *sinuata* 211, 223  
*Orbiculoidea perrugata* 223, 224  
   sp. 218-221  
*Orbitolites complanatus* 29  
*Orthis confinis* 197  
*Orthoceras* 218-220, 224  
*Orthodesma* 224  
*Orthograptus* 230  
   *apiculatus* 220, 225, 228  
   *calcaratus* var. *vulgatus* 227  
   *truncatus* 224, 227, 228  
   var. *intermedius* 227, 228  
   *pauperatus* 227  
   *socialis* 229  
*Orthonota* 220, 224  
   *subcylindrica* 224  
*Orthorhynchula* 219  
*Oscillatoriaceae* 352  
*Osmunda* 73-76, 78, 80, 81  
   *lignitum* 76, 80, 81; Pl. 11, figs. 1-6  
   *regale* 81  
*Osmundaceae* 76, 80, 81  
*Ostrea* 27, 55  
   *amekiensis* 27, 55; Pl. 8, fig. 7  
   *ludensis* 55, 56  
   *marginidentata* 56  
   *pseudomarginidentata* 27, 56; Pl. 8, fig. 8  
   (*Crassostrea lugardi* 27, 56)  
*Ostreidae* 27, 55  
*Otarion* 209, 223  
*Ottokaria* 130  
   *bengalensis* 165  
   *lestii* 165  
   *ovalis* 165  
  
*Paijenborchella* 8  
*Palaeophycus* 332  
   *insignis* 331, 332  
*Palaeospathe daemonorops* 89  
*Palaeovittaria* 151  
*Palmacites* 89  
   *daemonorops* 88  
*Palmae* 88, 89  
  
*Palmenella* 8  
PANT, D. D. 125-175  
*Panthera leo* 267  
*Parabasilicus powisi* 219-221  
*Paracalamites* 311, 312  
   *decoratus* 311  
   *kutorgai* 298, 303-306, 311, 312, 313; Pl. 37, fig. 1  
   *sibiricus* 311  
   *striatus* 311  
*Paraecyclosaurus* 235, 237  
   *davidi* 235, 237, 238\*, 239\*, 240\*, 241\*, 242\*, 243\*, 247\*, 248\*, 249\*, 250\*, 251\*, 252\*, 255\*, 258; Pls. 27-31  
   *hemprichi* 258  
*Parotosaurus* 257-259  
   *helgolandicus* 258  
*Parthenocissus* 103, 104  
   *boveyana* 77, 103, 105; Pl. 15, figs. 123-125  
   *britannica* 77, 103, 105; Pl. 15, figs. 119-122  
*Paterula albida* 219  
*Paziella* 26, 41  
*Pecopteris danaeoides* 151  
   (*Hemitelia*) *lignitum* 80  
*Pectunculus ambiguus* 224  
*Pentamerus* 225, 226  
*Peronaea* 66  
   *nigeriensis* 66  
*Perulithes* 45  
*Phacoides* 28, 60  
   *eaglesomei* 28, 60  
   *subrhomboidalis* 61  
*Phacopidina apiculata* 206, 207, 221-223  
   *harnagensis* 201, 221  
*Phellodendron* 79  
*Philhedra drummuckensis* 221  
*Phillipsinella* 229  
*Phragmolites* 219  
*Phyllothea* 312  
*Piaea* 295, 301, 307  
   *anglica* 301, 304, 307; Pl. 36, fig. 3  
   *gigantea* 305  
   *punctata* 305, 307  
*Picea* 75  
*Pinnularia capillacea* 300  
*Pinus* 75  
*Pitar* 28, 63  
   *amekiensis* 28, 63; Pl. 9, figs. 11a-c, 12, Pl. 10, fig. 1  
*Placuna* 56  
*Plagiozamites* 323  
*Platylichas* 211-213, 229  
   *laxatus* 199, 206, 210, 224, 225; Pl. 26, figs. 12, 13  
*Platyodon* 30  
   *klinghardti* 29, 67  
*Platystrophia* 221, 223  
*Plectorthis plicatella* 221  
   *virgata* 222  
*Pleurocythere* 7  
*Pleurograptus linearis* 226, 227, 229, 230



- Plicatula* 27, 29, 55  
     *polymorpha* 27, 29, 55  
*Plicatulidae* 27, 55  
*Plumulites* 219  
*Podocarpus* 75  
*Poirieria* 42  
     *calcitrapa* 41  
*Polinices* 40  
*Polysiphonia sternbergiana* 296, 297, 310  
*Pompholigina* 28, 61  
     (*Eodivaricella*) *oppenheimi* 28, 61  
*Ponderodictya* 10, 11  
*Potamididae* 25, 30  
*Potamogeton* 74, 85  
     *cristata* 85  
     *natans* 85  
     *pygmaeus* 79, 85  
     *tenuicarpus* 76, 79, 85; Pl. II, figs. 12-14  
*Potamogetonaceae* 76, 85  
*Primaspis caractaci* 210-212, 223, 224  
     (*Acidaspis*) *caractaci* 211  
         *harnagensis* 201  
*Primitia nana* 219  
     *simplex* 218, 219  
     *strangulata* 218  
     sp. 220, 222, 224  
*Primulaceae* 77, 115, 116  
*Proboscidea* 270  
*Procyelotosaurus* 257  
*Proetus* 223  
*Progonocythere* 7, 9  
*Progonocytherinae* 9  
*Promecosomina* 254  
*Protoaltingia* 79  
*Protozoetia* 27, 54  
     *nigeriensis* 27, 54  
*Pseudocatenis* 295, 321, 323  
     *middridgensis* 299, 303, 306, 318, 321, 322\*;  
         Pl. 38, fig. 5  
*Pseudoliva* 26, 47  
     (*Buccinorbis*) *kitsoni* 26, 47  
*Pseudomazzalina* 26, 44  
     *nigeriensis* 26, 45  
*Pseudosphaerexochus* 213, 225  
*Pseudovoltzia* 327, 328  
     *liebeana* 297-306, 327\*, 328\*; Pl. 40, figs.  
         1, 4, 6  
*Psymphyllum* 316, 319  
     *cuneifolium* 295, 299, 303, 306, 316, 317\*,  
         318\*; Pl. 40, figs. 14, 15  
*Pteridospermae* 313  
*Pterinea* 222, 224  
*Pterophyllum* 323  
*Pteropurpura tricarinata* 42  
*Pteruchus* 187  
*Pterynotus* 26, 42  
     *newtoni* 26, 42  
         (*Pteropurpura*) *tricarinatus* 43  
*Pullastra speciosa* 224  
*Quasillitacea* 1, 6, 10-12  
*Quasillites* 10, 11; Pl. 2, figs. 1, 2  
*Quasillitidae* 10, 11  
*Quasillitinae* 10  
*Quercus* 75  
     *ilex* 75  
*Raeta* 67  
     *schweinfurthi* 67  
*Raetomya* 28-30, 67  
     *schweinfurthi* 28, 29, 67  
*Rafinesquina* 198, 203, 218, 220, 221, 223  
     *complanata* 218  
     *expansa* 203, 204, 218, 220  
     *holli* 199, 213, 224; Pl. 25, fig. 12  
*Raphiophorus edgelli* 213, 224, 225  
*Raphistoma* 219  
*Raphistomina* 218, 224  
*Raymondella gigantea* 207  
     *typa* 205  
*Reacalymene* 206, 221  
     *pusulosa* 198, 218, 220  
*Rectangularca* 27, 54  
     *africana* 27, 55; Pl. 8, figs. 5a, b, 6  
*Reedolithus subradiatus* 197  
*Remopleurides* 211, 224  
     *burmeisteri* 213  
*Resserella canalis* 221  
     (*Cryptothyris*) *paracyclica* 210  
*Reuschella* 203  
     *bilobata* 211, 212, 222, 223  
     *horderleyensis* 199, 203, 204, 220; Pl. 24,  
         figs. 10, 11  
     *reuschi* 200  
     *semiglobata* 211, 212, 223  
*Reuscholithus* 198, 200, 201  
     *reuschi* 199-202, 215, 219, 228; Pl. 26, fig. 3  
*Rhabdocarpus klocheanus* 306  
*Rhabdotaenia* 127, 149, 151, 172  
     *danaeoides* 127, 151, 152\*, 153, 154, 157, 159  
     *harkini* 127, 151, 154, 155\*, 156\*-158\*, 159,  
         172; Pl. 20, fig. 5  
*Rhadalognathus* 254  
     *boweni* 257  
*Rhaphanocrinus basalis* 220  
     (*Glyptocrinus*) *basalis* 204  
*Rhinesuchus* 239  
*Rhinoceros etruscus* 267  
*Rhinocerotidae* 281  
*Rhiptozamites goepperti* 321  
*Rhopalites* 45  
     *africanus* 45  
*Rhymia* 347  
*Rhyniella* 342, 350-352  
     *vermiformis* 341, 350; Pl. 41, figs. 1, 11, Pl.  
         43, fig. 18  
*Rhysocythere* 1, 14, 18, 19  
*Rivulariaceae* 344  
*Ropolenellidae* 9-11  
*Ropolenellus* 9, 10

- Rosaceae 77, 78, 101  
*Rostellaria bidigitata* 36  
     *unidigitata* 36, 37  
*Rostricellula triangularis* 219  
 Rubiaceae 90  
*Rubus* 74, 78, 101  
     *acutiformis* 101  
     *microspermus* 77, **101**; Pl. 14, figs. 100–109  
 Rutaceae 77, 102  
*Rutaspermum* 102  
     *exaratum* 77, **102**
- Sabiaceae 77, 102  
*Sagenopteris* 179  
     *longicaulis* 186  
*Sagittaria* 75  
*Salopia salteri* 198, 199, 218, 219; Pl. 24, figs 7, 8  
*Salterolithus* 198, 200, 201, 203, 215, 220, 228  
     *caractaci* 199–202, 219; Pl. 26, fig. 5  
     *harnagensis* 200, 201, 219  
     *intermedius* 200  
     *smeathenensis* 199, 201, 219; Pl. 26, fig. 4  
*Salvinia* 74, 81, 82  
     *ancillata* 82  
     *auriculata* 82  
     *boveyana* 76, **81**; Pl. 11, figs. 7–11  
     *hassiaci* 82  
     *natans* 82  
     *oblongifolia* 82  
 Salviniaceae 76, 81  
*Samaropsis* 187, 302, 330  
     *seixasi* 187  
     *triangularis* 300, 303, 305, 306, **330**; Pl. 40, figs. 2, 3  
*Sampo* 211, 212, 223  
 Scalidae 25, 34  
 Schizaeaceae 75  
*Schizocrania crassa* 222  
*Schizocythere* 8  
*Schizoneura* 128, 312  
*Schizopteris digitata* 319  
*Schuleridea* 7  
*Schützia* 319  
     *anomala* 319  
     sp. 301, 304, **319**; Pl. 37, figs. 7–12  
*Scissodesma* 66  
*Scutum* 130, 165, 179, 181, 186, 188  
*Scytonema (Diplocolon) crustaceum* 351  
*Semiterebellum* 26, 37, 38  
     *elongatum* 37, 38  
     *suturocostatum* 38, 39  
     (*Africoterebellum*) *elongatum* 26, **38**; Pl. 5, fig. 10a, b  
*Sequoia* 73–76, 78, 81, 82  
     *coultsiae* 76, 79, 81, **82**, 83  
     *gigantea* 84  
     *sempervirens* 84  
*Sinodia* 28, 64, 65  
     *heward-belli* 28, **64**  
     (*Cordiopsis*) *orbicularis* 65  
     *Sinodiopsis* 28, **64**  
         *coxi* 28, 29, 63–65; Pl. 10, figs. 4, 5  
*Sinowilsonia* 100  
*Sinuities* 206, 210, 211, 222, 224  
     *anceps* 221  
     *bilobatus* 220, 221, 223  
     *pseudocompressus* 223, 224  
     *soudleyensis* 220–222  
*Sinum* 26, 40  
     *africanum* 26, **40**; Pl. 6, fig. 6a–c  
     *clathratum* 40  
     *nigeriense* 26, **40**; Pl. 6, fig. 7a, b  
*Siphonotreta scotica* 219  
     *micula* 218  
     *Smeathenella harnagensis* 199, 219; Pl. 24, figs. 5, 6  
     *strophomenoides* 198, 218  
 Solanaceae 77, 78, 118, 119  
*Solanispermum* 118, 119  
     *reniformis* 77–79, **118**; Pl. 17, figs. 189–191  
*Solariaxis* 25, 33  
     *canaliculata* 32  
     *spectabilis* 33  
*Soudleyella* 204  
     *avelinei* 199, 204, 220; Pl. 24, fig. 9  
     (*Onniella*) *avelinei* 203  
 South Africa 180  
*Sowerbyella* 218, 220, 224  
     *sericea* 210, 216, 219, 221, 223  
     *soudleyensis* 206, 221  
*Spermatites* 127, **165**  
     *crystallinus* 127, 163, **165**, 166\*, 168\*, 169, 172, 173; Pl. 20, fig. 6  
     *indicus* 169  
     *tetrapterus* 127, 163, **169**, 170\*, 171\*, 172, 173  
*Sphaerococcites dyadicus* 305  
*Sphaerocypraea* 26, 39  
     *bowerbanki* 39  
     *sudanensis* 26, **39**; Pl. 6, fig. 4a, b  
*Sphenobaiera* 319  
     *digitata* 299, 301, 303–307, **319**, 320\*; Pl. 38, figs. 4, 6  
*Sphenopteris* 297, 305, 315  
     *bipinnata* 301, 304, 305, 307, **315\***, 316, 319; Pl. 37, fig. 6  
     *cuneifolia* 316  
     *densifolia* 305  
     *dichotoma* 297, 315  
     *erosa* 297  
     *geinitzi* 305  
     *germanica* 319  
     *gibbelsi* 305  
     *gillitzi* 305  
     *gothani* 305  
     *incerta* 316  
     *kukukiana* 305  
     *naumannii* 297  
     *patens* 316  
     *ropkei* 305  
     *sterzeli* 305

- Spirematospermum* 90  
*wetzleri* 76, 79, **90**
- Spisula* 28, 65  
 (*Crepispisula*) **amekiensis** 28, **65**; Pl. 10, figs. 6a, b, 7
- Spongillopsis dyadica* 297, **331**
- Stangeria* 187
- Stegodon* 267, 289
- Stellaxis* 25, 33  
*bicingulata* 33
- Stigonema* 343, 344  
*dedroideum* 352
- Stigonemataceae 341, 342, 352
- Stigonematales 342
- STONELEY, H. M. M. 293-337
- Stratiotes* 74, 78, 79, 86  
*headonensis* 80  
*kaltenordheimensis* 80, 86  
*websteri* 76, 80, **86**; Pl. 11, figs. 15-19  
*zimndorfi* 80
- Strepsidura* 26, 29, 43, 48  
*spirata* **48**  
 (*Strepsiduropsis*) *spirata* 26, **48**
- Strepsiduridae 26, 48
- Strepsiduropsis** 26, **48**
- Streptelasma* 221
- Strepula sigmoidalis* 9
- Striarca* 55  
*africana* 54, 55
- Strobilifer frumentarius* 324, 330
- Strobilites* 329, 330  
*bronni* 300, 302-306, 323, **329**; Pl. 40, figs. 7-11  
*dentatus* 305  
*elongatus* 305  
*ludwigi* 302, 304, 305, 307, **330**; Pl. 39, fig. 5  
*major* 305  
*minor* 305
- Strombidae 25, 36
- Strophomena grandis* 222, 223
- Stylohipparion* 281
- Subeyelotosaurus** 258  
*brookvalensis* 235, **258**, 259\*
- Suidae 283
- Surcula* 27, 51  
*africana* 51  
*ingens* 51
- Surculites* 27, 51  
 (*Clinura*) *ingens* 27, **51**
- Sus* 284  
*minor* 284  
*strozzii* **283**, 284, 289; Pl. 33, fig. 1; Pl. 34, fig. 8
- Sveltella* 48
- Sveltia* 27, 48  
 (*Africosveltia*) *multiplicis* 27, **49**; Pl. 7, fig. 4a-c
- Sycostoma* 45
- SYLVESTER-BRADLEY, P. C. 1-21
- Symplocaceae 77, 116
- Symplocos* 74, 75, 78, 109, **116**, 117  
**anglica** 77, **116**, 117; Pl. 17, figs. 181-186  
*gregaria* 117  
*headonensis* 77, **117**; Pl. 17, figs. 187, 188  
*kirsti* 117
- Taeniopteris* 127, 154, 316  
*criciumensis* 154  
*daintreei* 154  
*danaeoides* 127, 151, 172  
*duffiana* 296, 316  
*eckardti* 299, 303, 305, 306, **316**; Pl. 37, fig. 3a, b  
*vittata* 151
- Tanganyika 125-175
- Taxodineae 76, 82
- Taxodium distichum* 75
- Taxus* 88  
*baccata* 75  
*nitens* 87
- Tellinidae 28, 66
- Tentaculites* 209  
*anglicus* 210  
*scalaris* 222
- Terebellum* 37
- Terebralia* 25, 30  
**amekiensis** 25, **31**  
**nigeriensis** 25, **30**
- Tetradella* 211  
*scripta* 218-220, 222-224
- Tibia* 25, 36, 37  
*bidigitata* 25, **36**
- Tilia* 75, 77, **106**, 107; Pl. 15, figs. 130-132
- Tiliaceae 106, 107
- Titanites* 15
- Tivelina* 28, 62  
**newtoni** 28, **62**; Pl. 9, figs. 9a, b, 10a, b  
*sphenarium* 62
- Tolypothrix elenkinii* 351
- Trachycarpus* 88  
*excelsis* 88
- Trachyleberidinae 9
- Trachyleberis* 6\*, 8, 9
- Trematis punctata* 222, 223
- Tretaspis* 212  
*kjaeri* 212, 229
- Triarthrus* 213, 225, 229
- Triebelina* 6
- Trigonostoma* 50  
*decorata* 49, 50
- Trimerorhachis* 251
- Trinucleus* 193, 194, 215, 217, 226
- Triplesia* 223
- Tropidodiscus acutus* 210, 222-224
- Tubulites* 310  
*articulatus* 310, 311  
*permianus* 300, 304-306, **310**; Pl. 36, figs. 6-9
- Tugurium nigeriense* 36
- Turbinolia* 29



- Turbocalyptraea** 25, **35**  
*scabrosa* 25, **35**; Pl. 5, figs. 8, 9a, b  
*Turricula* 27, 51  
 (*Surcula*) *africana* 27, **51**  
**Turridae** 27, 51, 52  
*Turritilepas* 219  
*Turritella* 25, 31, 32  
**amekiensis** 25, **31**; Pl. 5, figs. 1, 2  
*mauryana* 32  
*sulcifera* 31  
 (*Coeloconica*) *mauryana* 25, **32**  
**Turritellidae** 25, 31
- Ullmannia** 300, 301, 306, 323, 324, 328-330  
*bronni* 296-306, **323**, 324, 326, 327, 329;  
 Pl. 38, figs. 1a, b, 2, Pl. 39, figs. 3, 4  
*frumentaria* 296, 298-306, **324**, 325\*, 326\*,  
 327, 330; Pl. 39, figs. 1, 2  
*orobiformis* 305  
*selaginoides* 297, 326  
**Ulmaceae** 75, 76, 94  
*Ulrichia bicornis* 219  
*Ulricholithus ulrichi* 199, 200, 202, 203; Pl. 26,  
 fig. 6  
*Ullwellia papulata* 15
- Varicohilda** 26, **40**  
*turriculata* 25, **41**; Pl. 7, fig. 1a-c  
**Varicorbula** 28, 67, 68  
**amekiensis** 28, **67**; Pl. 8, figs. 10, 11, Pl. 10,  
 fig. 8a-c  
*Vellamo* 201, 219  
*Venericardia triparticostata* 60  
 (*Venericor*) *planicosta* 57  
**Veneridae** 28, 62  
*Venus incrassata* 65  
*Vertebraria* 128, 163  
**Vitaceae** 77, 78, **103**
- Vitis* 78, 106  
*britannica* 103-105  
*hookeri* 77, 103, **106**; Pl. 15, figs. 126, 127  
*ludwigi* 103, 105  
*stipitata* 77, 103; Pl. 15, figs. 128, 129  
*teutonica* 103-105  
**Volemidae** 26, 44  
*Voltzia liebeana* 297, 303, 327  
*phillipsi* 286, 298, 324, 327  
**Volutidae** 26, 43, 46  
*Volutocorbis multispinosa* 26, **46**  
*Volutospina* 46, 47  
*conicoturrita* 46, 47  
*multispinosa* 46
- Walchia piniformis* 297  
**WATSON, D. M. S.** 233-263  
*Wattsella* 205  
*horderleyensis* 206  
*indica* 205  
*lepta* 206  
*unguis* 208  
*wattsii* 208  
**Weissites** 297
- Xenocythere* 7  
*Xenophora* 25, 36  
*nigeriensis* 25, **36**; Pl. 6, fig. 1a-c  
**Xenophoridae** 25, 36
- Zanthoxyleae** 90, 102  
*Zelkova* 94, 95  
**boveyana** 76, **94**; Pl. 13, figs. 71-73  
*keaki* 94  
*sinica* 94  
**Zingiberaceae** 76, 90  
*Zonarites digitatus* 296, 319



